

WHAT IS CLAIMED IS:

1. A vacuum container to preserve food, comprising:

a cover member for covering an upper part of a container member having a space in which food is filled, said cover member having a sliding hole formed with a predetermined diameter in a center thereof;

a piston member of a pipe shape opened downward, in which a first exhaust aperture piercing through a center of an upper face thereof is formed with a given diameter, and a protrusion is formed in an outer circumference part of a lower end part thereof to be caught on a jaw part formed in an upper end part of the sliding hole of the cover member, said piston member being inserted into the sliding hole to be ascending and descending movable and to be prevented from deviating from the sliding hole;

a lower cap member fastened to an outer circumference face of an extended part downward extended by a predetermined height from a circumference part of the sliding hole of the cover member, said lower cap member being for covering a lower end part of the sliding hole and having a suction aperture formed in a center thereof with a predetermined diameter;

a first valve member, which has numerous air holes that are formed in an outer circumference part of a plate face

thereof and which is put in a bottom face of the lower cap member to control the suction aperture;

a valve guide member mounted in an inner side of the lower cap member, an outer circumferential upper end part of which is pressurized by and fixed to a lower end part of the extended part of the cover member, and a lower part of which has a pipe shape into which the first valve member can be minutely ascending and descending movable, and an upper part of which is provided as a guide part upward extended by a pipe shape that has an inner diameter smaller than a diameter between the air holes formed in the first valve member, said valve guide member having a plurality of air holes that have a fine diameter and are formed on an upper face for connecting between circumferential faces of a stepped coverage thereof;

a spring member in which a lower end part is put on an outer side of the guide part of the valve guide member and an upper part is inserted into the interior of the piston member to elastically support the piston member;

a second valve member put to control the first exhaust aperture in the center of the upper face of the piston member, said second valve member having numerous air holes in an outer circumference part of a plate face thereof; and

an upper cap member which is screw combined with an upper end part of an outer circumference of the piston member and

which has a plurality of second exhaust apertures, said plurality of second exhaust apertures being formed in a side direction to be connected through the outside in an inner upper face in which the second valve member is accommodated.

2. The container of claim 1, wherein the cover member is provided with an air inlet formed in one side of the sliding hole, wherein said air inlet is equipped with a valve body on which a spring is wound from an upper part to an outer circumference face thereof, an upper end part of said valve body being formed larger than a diameter of the air inlet of the cover member, and a lower end part of said valve body being partially projected from a lower part of the cover member to be screw combined with a spring supporter and thus prevent the spring from deviating from the valve body, wherein said valve body is provided with a sealing unit that is equipped between a lower face of a head part of the valve body and its opposite cover member, and said head part of said valve body is provided with a vacuum removal member that is provided with a loop of a ring shape into which at least one finger can be inserted.

3. The container of claim 1, wherein the cover member is provided with an air leading flute formed being downward concaved at one side of the cover member, a lower end part of

said air leading flute being provided as an air inflow hole piercing vertically, and the interior of said air leading flute being provided with a guide of a pipe shape whose flange face is stuck and solidly fixed to the cover member, wherein said guide is insertion combined with an elevating shaft elastically supported by the spring to be ascending and descending movable, an upper end part of said elevating shaft positioned in an upper side of the guide having an outer diameter larger than an outer diameter of the guide, and a lower end part of said elevating shaft projected through a lower side of the guide having a stopping jaw; where an upper part of said stopping jaw is covered with a packing, an upper part of said packing is axis combined with the spring supporter, an inner circumference face of said guide is minutely extended toward an inner side to thus form a spring support jaw so that the spring can be combined between the spring support jaw and the spring supporter supported by the packing.

4. The container of claim 1, wherein the cover member is provided with a combination end part whose outer circumference part is larger than an outer diameter of the container member, whose outer end part is downward extended by a predetermined height, said combination end part being provided with a matching protrusion that is projected toward an inner side along an inner

circumference face of the combination end part with a given interval, where said matching protrusion sliding-moves along a tilt angle of a fastening protrusion to combine the cover member with the container member, said fastening protrusion being projected from an upper part toward a lower part thereof and an outer side with a predetermined slow tilt angle on an outer circumference face of an upper end part of the container member.

5. The container of claim 1, wherein said upper cap member is provided with projection plates formed outward with a predetermined length on opposite outer circumference faces thereof; an upper face of said cover member is provided with a side cover member of a pipe shape that surrounds around the piston member and that has an inner diameter larger than a diameter between opposite ending parts of the projection plates; said side cover member has a horizontal jaw formed being bent from an upper end part of the side cover member toward an inner side thereof, said horizontal jaw having an inner diameter larger than an outer diameter of the upper cap member and being caught by the projection plates; and a circumference face of said horizontal jaw is provided as an elevating hole formed being cut with such a width that the projection plates formed in opposite directions can ascend and descend.

6. The container of claim 1, wherein the upper cap member displays a month and a day for indicating a preserving start time of food in an outer circumference part thereof, an ending part of said outer circumference part being provided with one pair of pointers that is movable along an outer circumference face thereof and that indicates a preserving start month and date of the food.

7. A vacuum container to preserve food, comprising:

a cover member for covering an upper part of a container member having a space in which food is filled, said cover member having a sliding flute downward concaved in a center thereof with a predetermined diameter, wherein a bottom face center of said sliding flute is downward concaved with a diameter smaller than an inner diameter of the sliding flute to thus form a first valve flute, a center of said first valve flute being provided as a suction aperture piercing vertically thereon, and an upper end part of said sliding flute being provided as a deviation preventing flute;

a first valve member, which has numerous air holes that are formed in an outer circumference part of a plate face thereof and which is put in the first valve flute to control the suction aperture provided in a center thereof;

a valve guide member mounted whose lower part has a pipe

shape in which the first valve member can minutely ascending and descending move, whose upper part is provided as a guide part that is formed being upward extended in a pipe shape having an inner diameter smaller than a diameter between ends of the air holes formed in the first valve member, and whose upper part face for connecting between outer circumference faces of an upper part and a lower part of the valve guide member has a plurality of air holes with a fine diameter;

a spring member of which a lower end part is mounted on an outer side of the guide part of the valve guide member, and which has a vertical elasticity;

a piston member of a pipe shape opened downward, of which the interior accommodates the spring member, and of which a center of an upper face has a second valve flute downward concaved with a predetermined diameter, a center of said second valve flute having an exhaust aperture piercing vertically, and of which opposite portions of an outer circumference face are formed as rotation preventing faces of a vertically cut plane face shape, an upper end one side of said rotation preventing face being formed as a stopping flute, and of which an outer circumference part of a lower end part is provided with a stopping jaw formed being extended outward from an outer diameter, said stopping jaw being provided with a sealing unit to closely adhere with an inner circumference face of the

sliding flute of the cover member;

a deviation preventing member, into which an outer circumference face of the piston member is matching inserted to be attachable and detachable, and which is mounted in an upper end part of the sliding flute, and which is provided with a protrusion that is formed in one body from a lower end part extended downward from an inner circumference face thereof;

a second valve member mounted in the second valve flute formed in an upper face of the piston member, to control the exhaust aperture formed in the center of the piston member; and

a cap member, which has an insertion flute formed in an inner circumference face thereof, said insertion flute being insertion combined with a protrusion that is formed being projected outward from an upper end part of an outer circumference face of the piston member, and which is provided with an exhaust flute that is formed by a radial type in a ceiling face and an inner circumference face thereof.

8. The container of claim 7, wherein the cover member is provided with an air inlet formed in one side of the sliding hole, where said air inlet is equipped with a valve body on which a spring is wound from an upper part to an outer circumference face thereof, an upper end part of said valve body being formed larger than a diameter of the air inlet of the

cover member, and a lower end part of said valve body being partially projected from a lower part of the cover member to be screw combined with a spring supporter and thus prevent the spring from deviating from the valve body, where said valve body is provided with a sealing unit that is equipped between a lower face of a head part of the valve body and its opposite cover member, and said head part of said valve body is provided with a vacuum removal member that is provided with a loop of a ring shape into which at least one finger can be inserted.

9. The container of claim 7, wherein the cover member is provided with an air leading flute formed being downward concaved at one side of the cover member, a lower end part of said air leading flute being provided as an air inflow hole piercing vertically, and the interior of said air leading flute being provided with a guide of a pipe shape whose flange face is stuck and solidly fixed to the cover member, where said guide is insertion combined with an elevating shaft elastically supported by the spring to be ascending and descending movable, an upper end part of said elevating shaft positioned in an upper side of the guide having an outer diameter larger than an outer diameter of the guide, and a lower end part of said elevating shaft projected through a lower side of the guide having a stopping jaw; where an upper part of said stopping jaw is covered with a

packing, an upper part of said packing is axis combined with the spring supporter, an inner circumference face of said guide is minutely extended toward an inner side to thus form a spring support jaw so that the spring can be combined between the spring support jaw and the spring supporter supported by the packing.

10. The container of claim 7, wherein the deviation preventing member displays a month and a day for indicating a preserving start time of food in an outer circumference part thereof, an ending part of said outer circumference part being provided with one pair of pointers that is movable along an outer circumference face thereof and that indicates a preserving start month and date of the food.